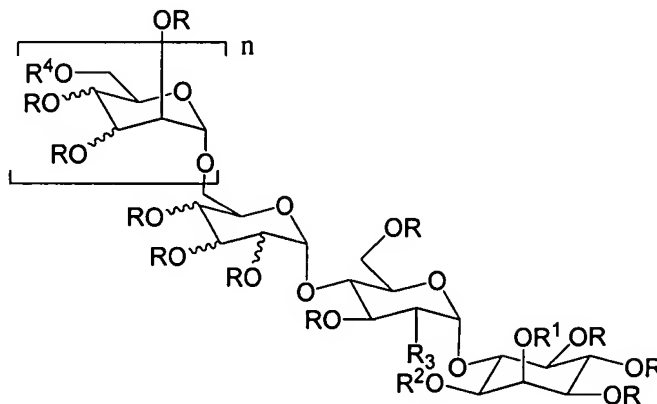


In the Claims:

1. (currently amended) A compound represented by formula I:



wherein,

n is [[1,]] 3, or 4;

R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

R¹ and R² are independently H, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃; or R¹ and R² taken together are C(CH₃)₂, P(O)OH, or P(O)OR⁵;

R³ is amino, -N₃, or -NH₃X;

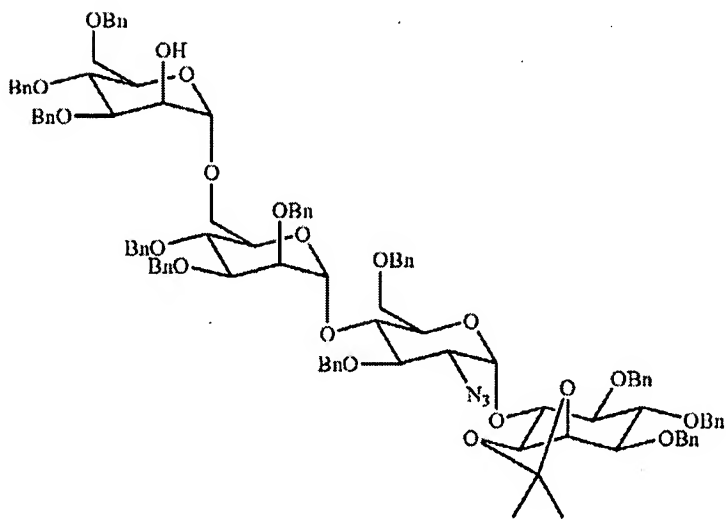
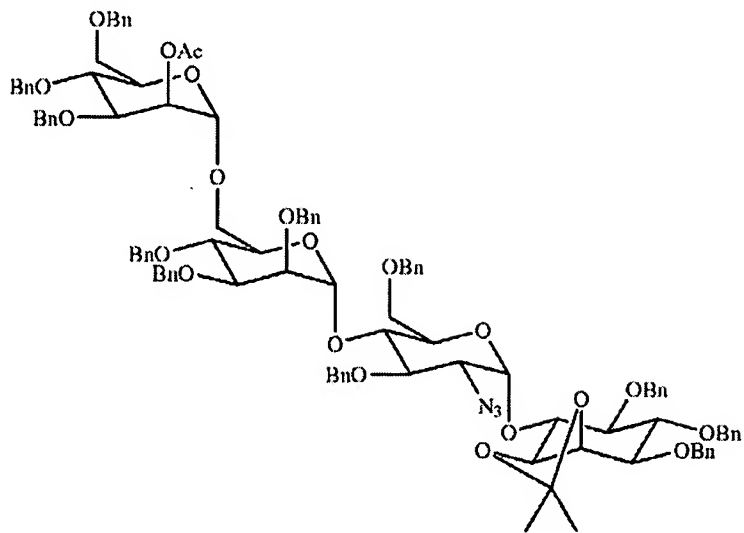
R⁴ represents independently for each occurrence alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃, or -P(O)(OR⁵)₂;

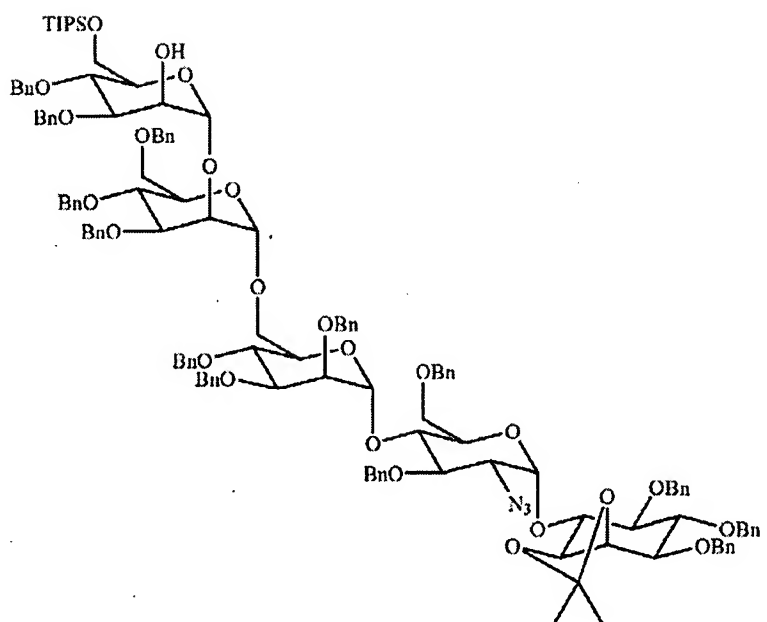
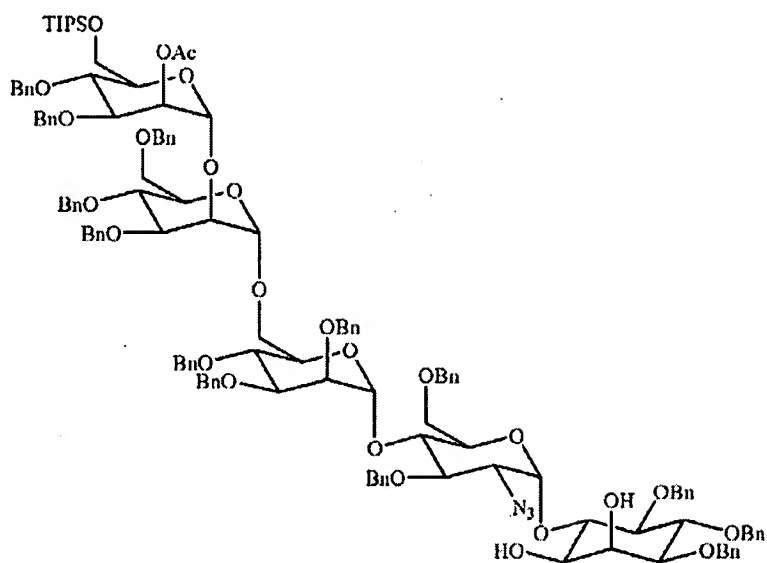
R⁵ represents independently for each occurrence H, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺, aryl, or an optionally substituted alkyl group; and

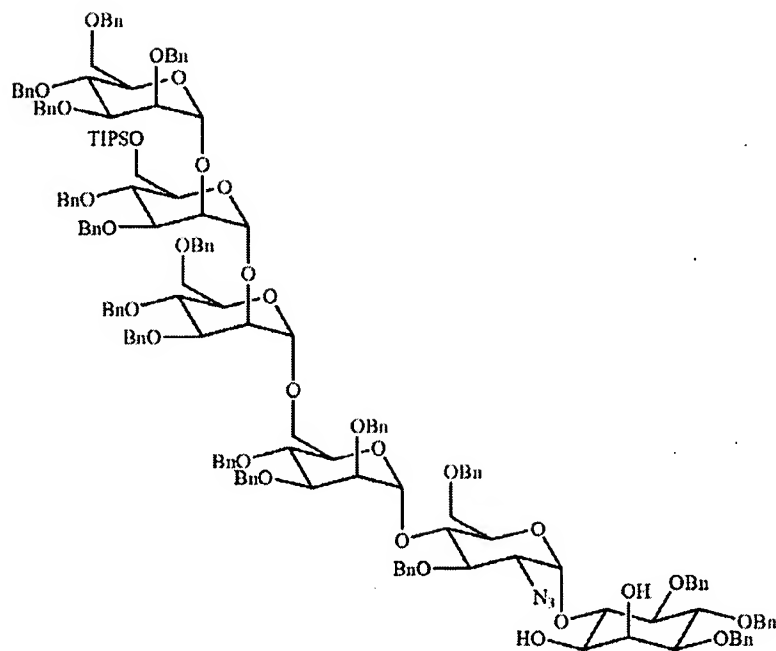
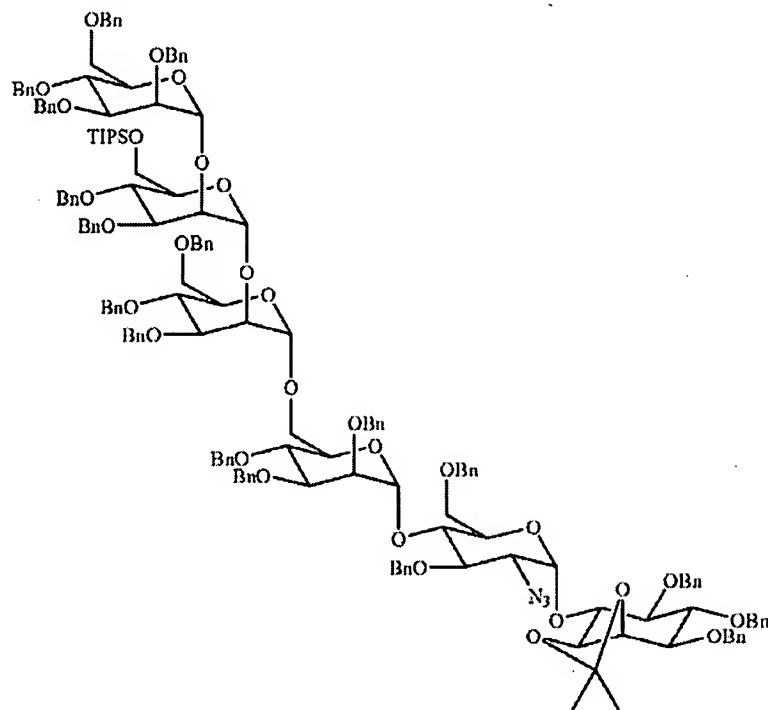
X is a halogen, alkyl carboxylate, or aryl carboxylate.

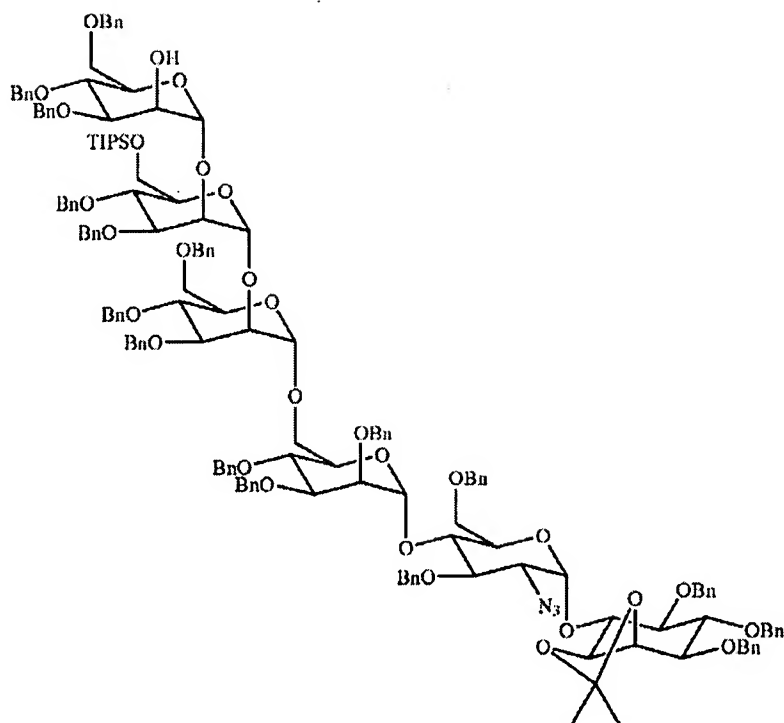
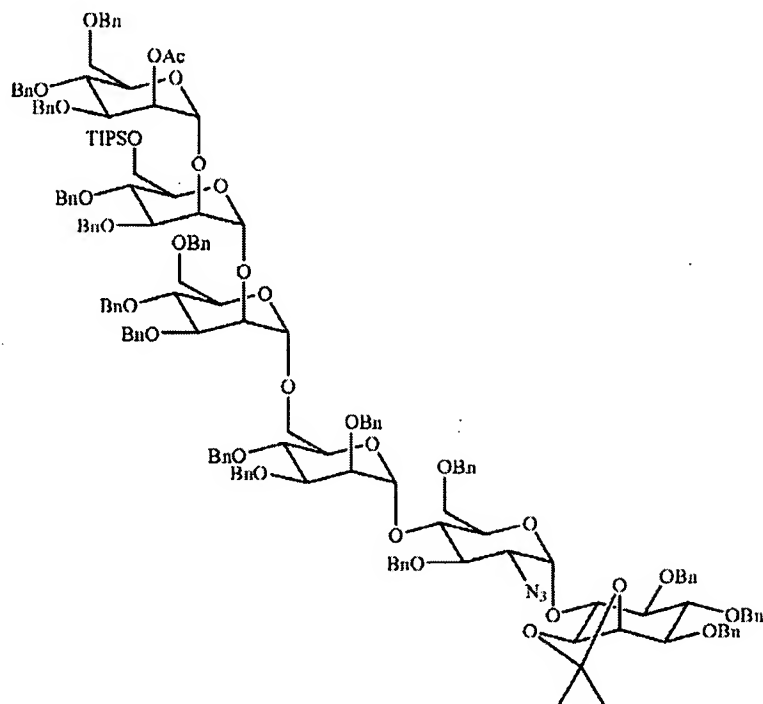
2. (canceled)
3. (original) The compound of claim 1, wherein n is 3.

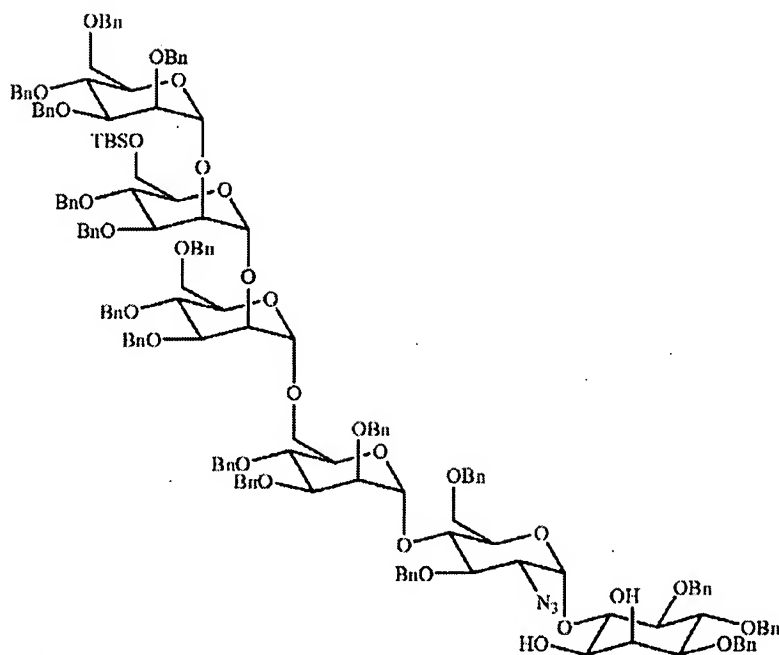
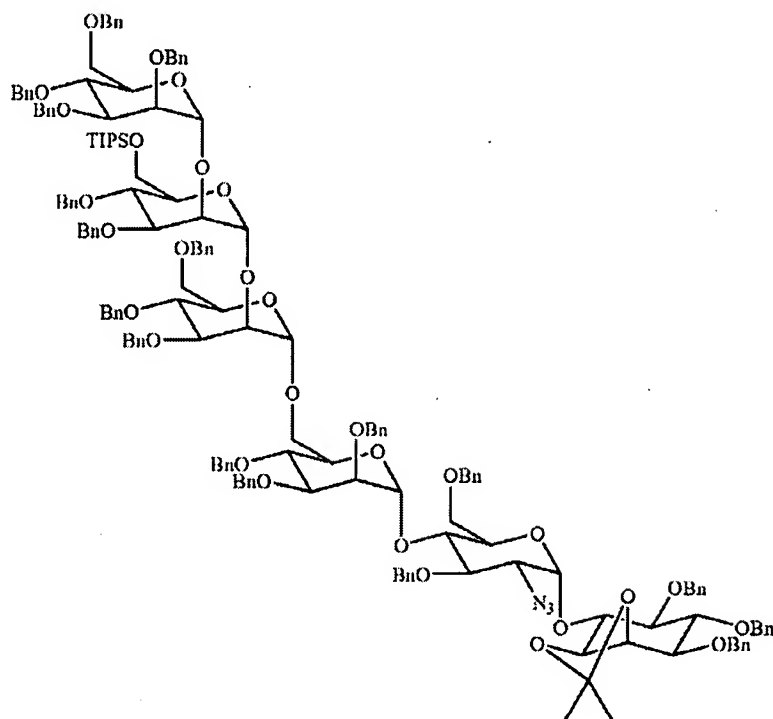
4. (original) The compound of claim 1, wherein R is H.
5. (original) The compound of claim 1, wherein R¹ and R² taken together are P(O)OR⁵.
6. (original) The compound of claim 1, wherein R³ is N₃.
7. (original) The compound of claim 1, wherein R³ is -NH₃X.
8. (previously presented) The compound of claim 1, wherein R⁴ represents independently for each occurrence -CH₂Ph, or -Si(alkyl)₃.
9. (previously presented) The compound of claim 1, wherein R⁴ represents independently for each occurrence -CH₂Ph, -or P(O)OR⁵; and R⁵ is an optionally substituted alkyl group.
10. (currently amended) A compound selected from the group consisting of:





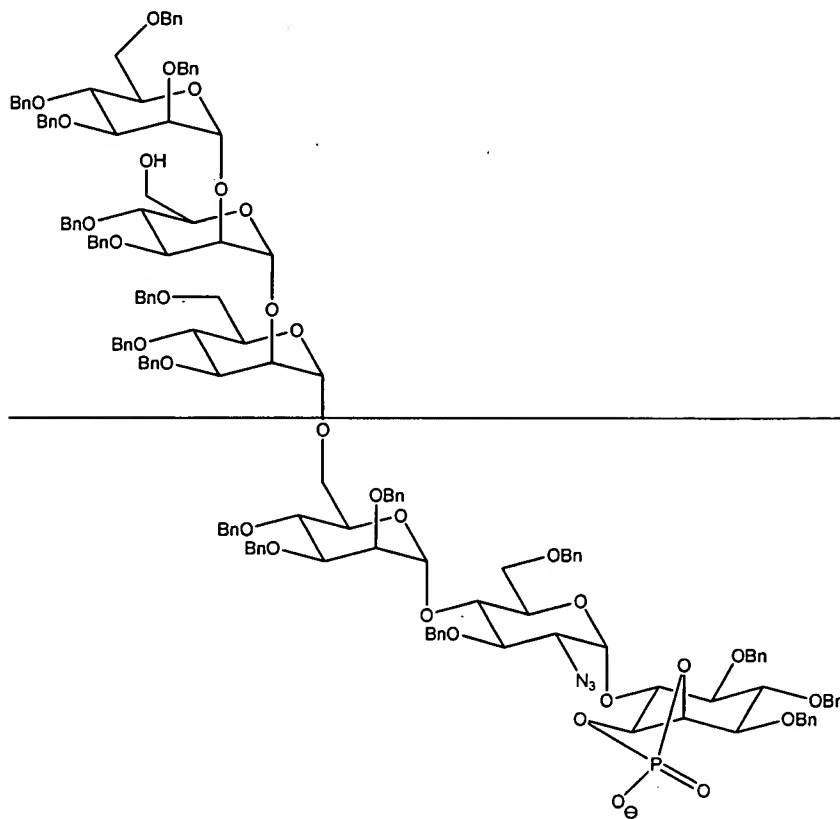






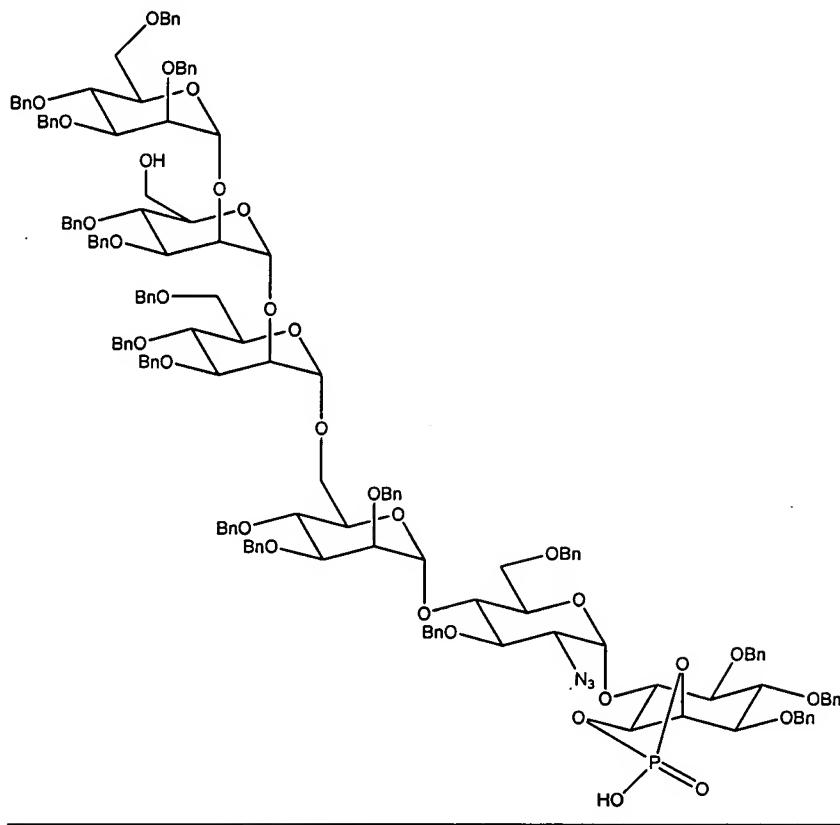
RESPONSE TO FINAL OFFICE ACTION
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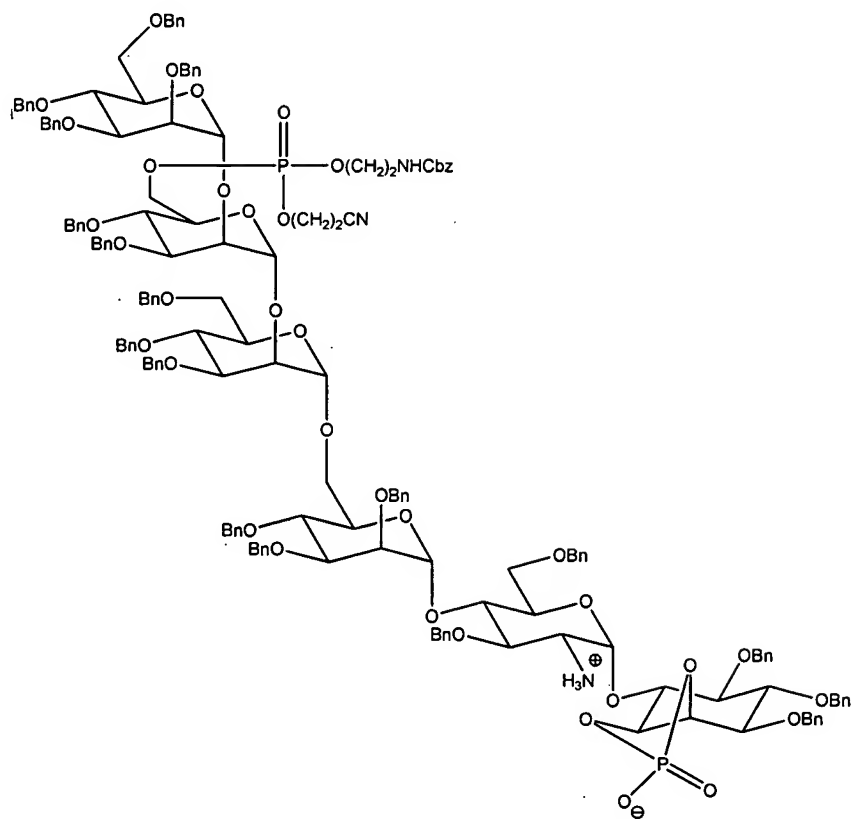
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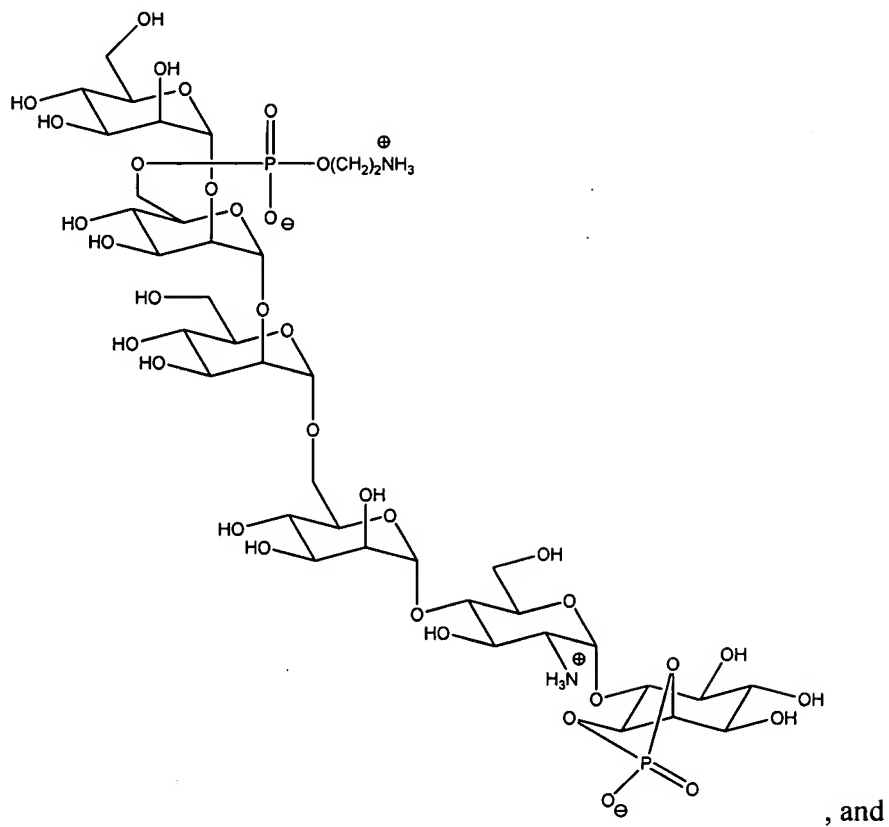


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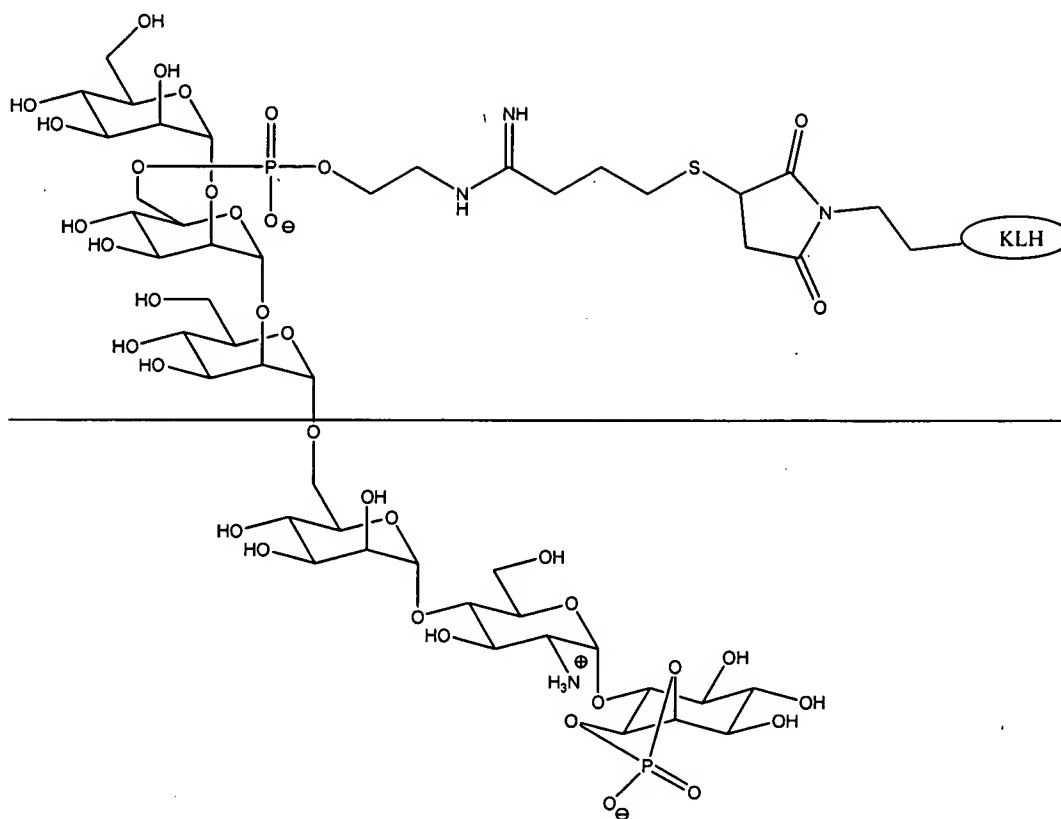


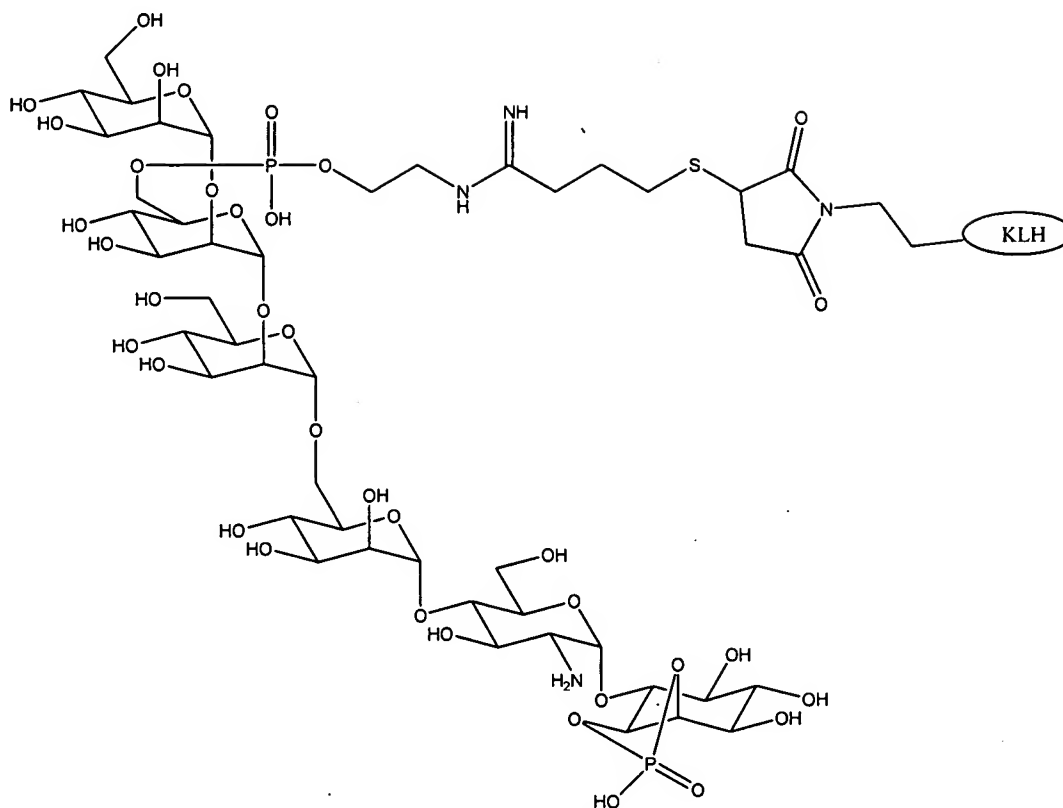




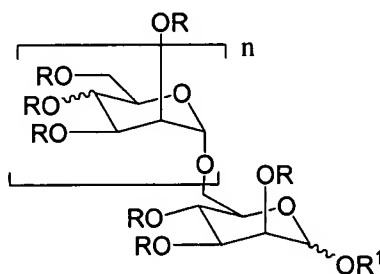
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11. (previously presented) A compound represented by formula II:



II

wherein,

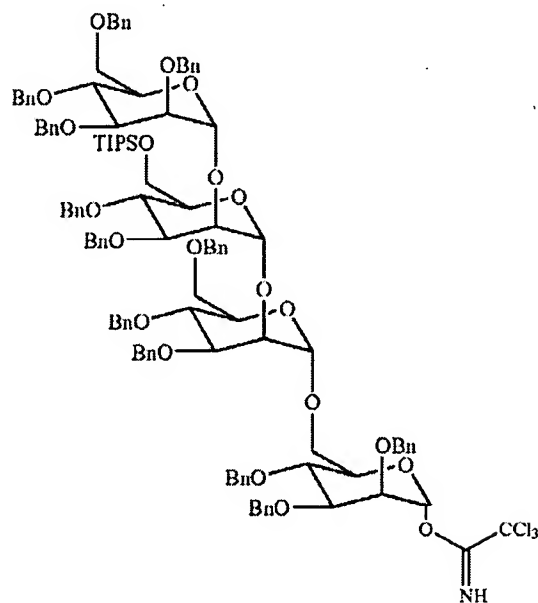
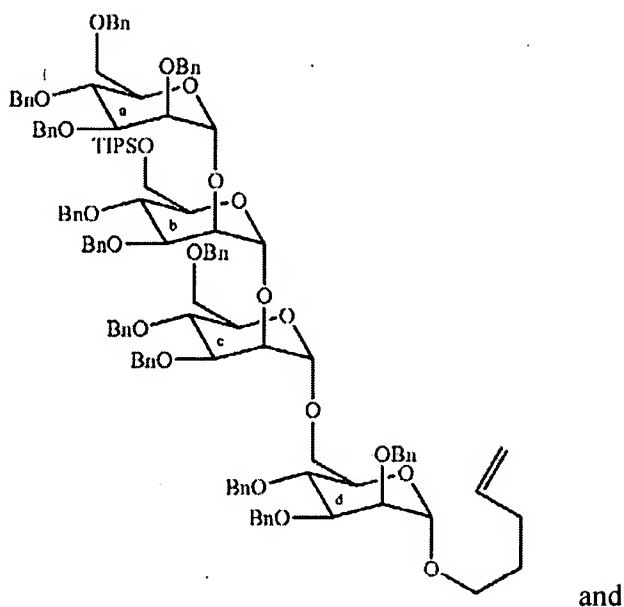
n is 3, or 4;

R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

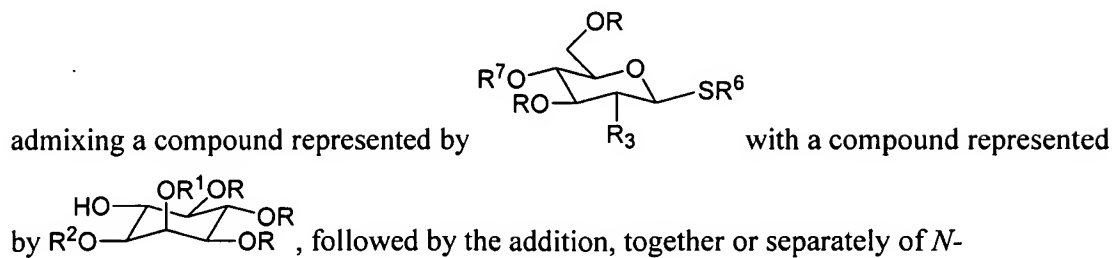
R¹ is -(CH₂)_mCH=CH₂ or trichloroacetimidate; and

m is 1-6.

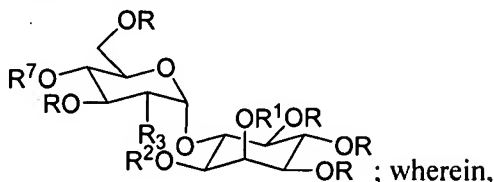
12. (canceled)
13. (original) The compound of claim 11, wherein n is 3.
14. (original) The compound of claim 11, wherein m is 3.
15. (original) The compound of claim 11, wherein R represents independently for each occurrence -CH₂-aryl or -Si(alkyl)₃.
16. (original) The compound of claim 11, wherein R represents independently for each occurrence benzyl or -Si(iPr)₃.
17. (previously presented) The compound of claim 11, wherein R¹ is trichloroacetimidate and R represents independently for each occurrence benzyl or -Si(iPr)₃.
18. (previously presented) The compound of claim 11, wherein said compound of formula II is selected from the group consisting of:



19. (previously presented) A method comprising the step of:



iodosuccinimide and silver triflate, thereby forming a compound represented by



R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

R¹ and R² are independently H, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃; or R¹ and R² taken together are C(CH₃)₂, P(O)OH, or P(O)OR⁵;

R³ is amino, -N₃, or -NH₃X;

R⁵ represents independently for each occurrence H, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺, aryl, or an optionally substituted alkyl group;

R⁶ is alkyl or aryl;

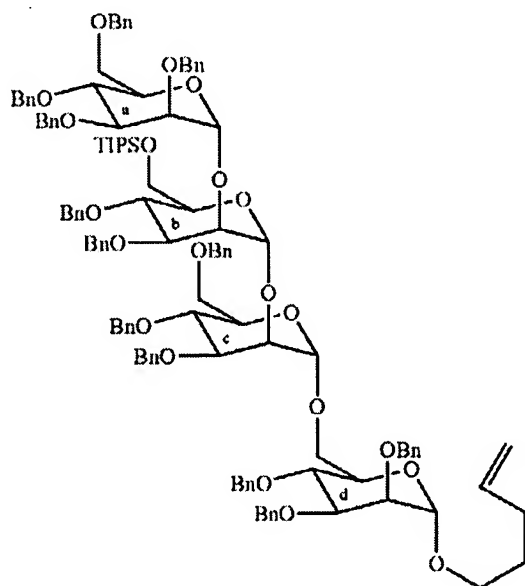
R⁷ is alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃; and

X is a halogen, alkyl carboxylate, or aryl carboxylate.

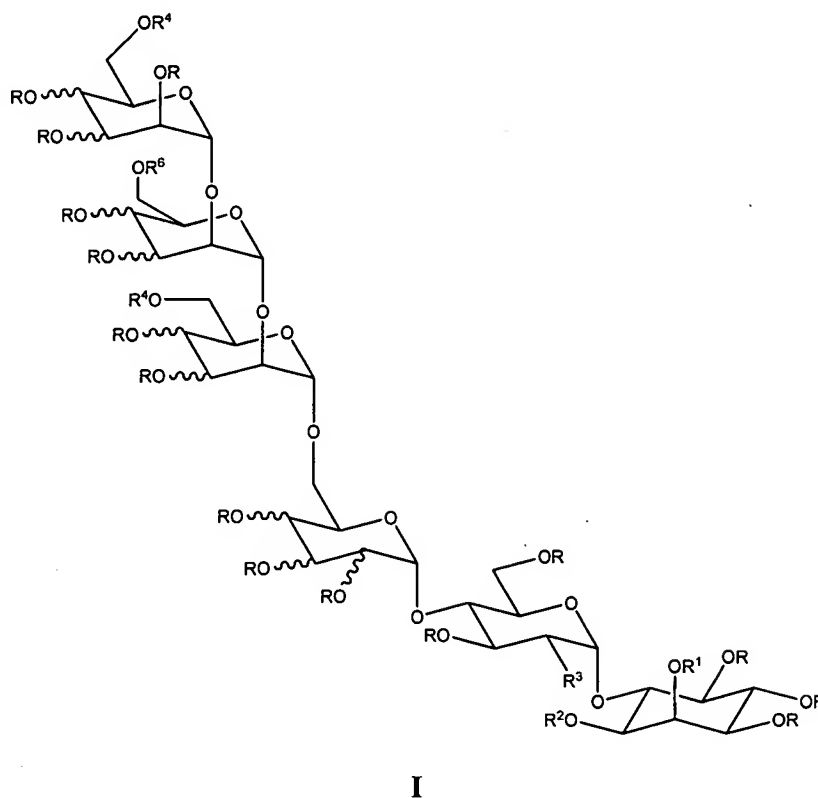
20. (original) The method of claim 19, wherein R is -CH₂-aryl.
21. (original) The method of claim 19, wherein R¹ and R² taken together are C(CH₃)₂.
22. (original) The method of claim 19, wherein R³ is -N₃.
23. (original) The method of claim 19, wherein R⁶ is alkyl.
24. (original) The method of claim 19, wherein R⁷ is -C(O)-alkyl.
25. (original) The method of claim 19, wherein R is benzyl, R¹ and R² taken together are C(CH₃)₂, and R³ is -N₃.
26. (original) The method of claim 19, wherein R is benzyl, R¹ and R² taken together are C(CH₃)₂, R³ is -N₃, and R⁶ is ethyl.
27. (previously presented) A method of preparing a tetrasaccharide, comprising the steps of:

covalently binding a mannopyranoside to a solid support to provide a first substrate, reacting said first substrate with a mannopyranose trichloroacetimidate to give a disaccharide bound to said solid support, reacting said disaccharide with a mannopyranose trichloroacetimidate to give a trisaccharide bound to said solid support, reacting said trisaccharide with a mannopyranose trichloroacetimidate to give a tetrasaccharide bound to said solid support, and cleaving said tetrasaccharide from said solid support.

28. **(original)** The method of claim 27, wherein said mannopyranoside is bound to said solid support through a glycosidic linkage.
29. **(original)** The method of claim 27, wherein said tetrasaccharide is cleaved from said solid support using Grubbs' catalyst.
30. **(previously presented)** The method of claim 27, wherein said tetrasaccharide is



31. (previously presented) A compound represented by formula I:



wherein,

R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

R¹ and R² are independently H, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃; or R¹ and R² taken together are C(CH₃)₂, P(O)OH, or P(O)OR⁵;

R³ is amino, -N₃, or -NH₃X;

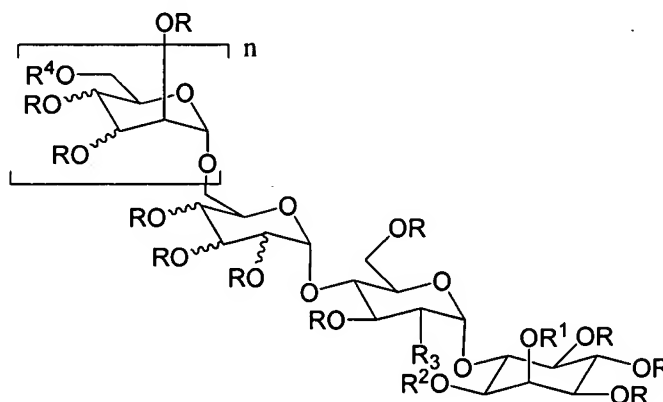
R⁴ represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃, or -P(O)(OR⁵)₂;

R⁵ represents independently for each occurrence H, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺, aryl, or an optionally substituted alkyl group; and

R⁶ represents independently for each occurrence alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃, or -P(O)(OR⁵)₂;

X is a halogen, alkyl carboxylate, or aryl carboxylate.

32. (previously presented) The compound of claim 31, wherein R is H.
33. (previously presented) The compound of claim 31, wherein R^1 and R^2 taken together are $P(O)OR^5$.
34. (previously presented) The compound of claim 31, wherein R^3 is $-NH_3X$.
35. (previously presented) The compound of claim 31, wherein R^4 is H.
36. (previously presented) The compound of claim 31, wherein R^6 is $-P(O)(OR^5)_2$.
37. (previously presented) The compound of claim 31, wherein R is H; R^1 and R^2 taken together are $P(O)OR^5$; R^3 is $-NH_3X$; R^4 is H; and R^6 is $-P(O)(OR^5)_2$.
38. (new) A compound represented by formula I:



I

wherein,

n is 1;

R represents independently for each occurrence H, alkyl, aryl, $-CH_2$ -aryl, $-C(O)$ -alkyl, $-C(O)$ -aryl, or $-Si(alkyl)_3$;

R^1 is $-CH_2$ -aryl, $-C(O)$ -alkyl, $-C(O)$ -aryl, $-Si(alkyl)_3$;

R^2 is $-CH_2$ -aryl, $-C(O)$ -alkyl, $-C(O)$ -aryl, $-Si(alkyl)_3$; or R^1 and R^2 taken together are $C(CH_3)_2$, $P(O)OH$, or $P(O)OR^5$;

R^3 is amino, $-N_3$, or $-NH_3X$;

R^4 represents independently for each occurrence alkyl, aryl, $-CH_2$ -aryl, $-C(O)$ -alkyl, $-C(O)$ -aryl, $-Si(alkyl)_3$, or $-P(O)(OR^5)_2$;

R^5 represents independently for each occurrence H, Li^+ , Na^+ , K^+ , Rb^+ , Cs^+ , aryl, or an optionally substituted alkyl group; and

X is a halogen, alkyl carboxylate, or aryl carboxylate.